



PATENT APPLICATION
File No: 00-30

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Stephen R. Jaspers, Paul O. Sheppard, Theresa A. Deisher, Paul D. Bishop
Serial No. : 09/853,253
Group Art Unit : 1652
Examiner : Pak, Yong D.
Filed : May 10, 2001
For : ZSIG33-LIKE PEPTIDES
Date Submitted : April 1, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97 and 1.98, Applicants submit herewith references which they believe may be material to the examination of this application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. 1.56.

In accordance with 37 C.F.R. 1.97, the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been conducted, nor shall it be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

The references are listed in PTO form 1449 which is in accordance with the requirements of M.P.E.P. 609. Applicants believe that their invention as claimed is patentable over the references. It is respectfully requested that these references be considered by the Patent and Trademark Office in its examination of the above-identified application and be made of record therein. The Examiner is also invited to contact the Undersigned if there are any questions concerning this paper or the attached references.

Please note that document B1 is in Japanese. It is Applicants' belief that document B2 is the English translation of Document B1 that was filed with the European Patent Office.

04/06/2004 TBESHAH1 00000040 260290 09853253

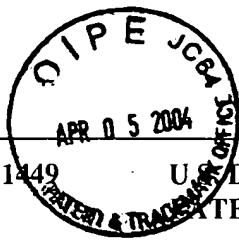
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The Commissioner is hereby authorized to charge the fee under 37 C.F.R. §1.17(p) of \$180.00 to ZymoGenetics, Inc. Deposit Account No. 26-0290. A duplicate of this paper is enclosed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robyn Adams", with a stylized flourish at the end.

Robyn Adams
Registration No. 44,495



FORM PTO 1449 U.S. DEPARTMENT OF COMMERCE
(REV 2-32) PATENT AND TRADEMARK OFFICE

File No. 00-30

Serial No.
09/853,253

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant(s):

Stephen R. Jaspers, Paul O. Sheppard,
Theresa A. Deisher, Paul D. BishopFiling Date:
May 10, 2001

Group: 1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	6,291,653	09/18/2001	Sheppard, P. et.al	530		03/23/1998
	A2	6,380,158	04/30/2002	Sheppard, Paul	536		03/27/1997
	A3	6,420,521	07/16/2002	Sheppard, et.al.	530		06/30/2000
	A4	6,627,729		Sheppard, et.al.			09/23/1999
	A5	09/794,987		Sheppard, et.al.			02/27/2001
	A6	09/796,158		Sheppard, et.al.			02/27/2001
	A7	10/186,414		Sheppard, et.al.			06/30/2000
	A8	09/718,803		Sheppard, et.al.			11/22/2001
	A9	5,006,469	04/09/91	Adelman et al.	435	240.1	02/09/1988
	A10	5,470,830	11/28/95	Macielag et al.	514	13	08/06/1993
	A11	3,978,035	08/31/1976	Wunsch, E. et al.	260		03/27/1974

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B1	01/07475	02/01/2001	WO			07/24/2000
	B2	1197496A1	04/17/2002	EP			07/24/2000
	B3	97/21730	06/19/1997	WO			12/10/1996
	B4	98/42840	10/01/1998	WO			03/23/1998
	B5	00/73454	12/07/2000	WO			06/02/1999

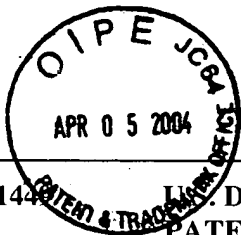
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

	C1		Search Report for corresponding PCT application: PCT/US 01/15091; Application date is May 5, 2001; Publication number is WO 01/87933; Search report date is April 23, 2002.				
	C2		Pearson, et. al., <u>Gastrointestinal Hormones in Medicine</u> 22: 753-774, 1993.				
	C3		Bednarek, M. et. al., <u>J. Med. Chem.</u> 43: 4370-4376, 10/26/2000.				
	C4		Kojima, M. et. al., <u>Nature</u> 402: 656-660, 12/09/1999.				
	C5		Feighner, S. et. al., <u>Science</u> 284: 2184-2188, 06/25/1999.				
	C6		Daikh, D et al., <u>DNA</u> 8: 615-621, 1989.				
	C7		INC2207941, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1996.				

Examiner

Date considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO 144 (REV 2-32) U.S. DEPARTMENT OF COMMERCE
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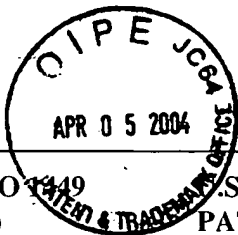
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

	C8	INC1328219, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1996.
	C9	INC2209486, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1996.
	C10	INC1851527, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1996.
	C11	INC891710, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1996.
	C12	INC1329031, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1996.
	C13	Clone 1329031, LIFESEQ™ Electronic Northern Results, Incyte Pharmaceuticals Inc., 1996.
	C14	PANCNOT07, LIFESEQ™ Library Information Results, Incyte Pharmaceuticals Inc., 1996.
	C15	LUNGFET03, LIFESEQ™ Library Information Results, Incyte Pharmaceuticals Inc., 1996.
	C16	STOMTUT01, LIFESEQ™ Library Information Results, Incyte Pharmaceuticals Inc., 1996.
	C17	SINTFET03, LIFESEQ™ Library Information Results, Incyte Pharmaceuticals Inc., 1996.
	C18	Strausberg, Accession No. AA530994, Cancer Genome Anatomy Project, 1997.
	C19	FLN1329031CB1, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., year unknown.

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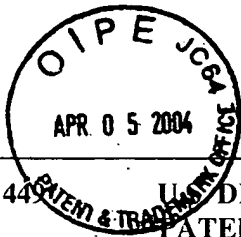
	C20	LIN1328219R, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., year unknown.
	C21	LIN1328219F, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., year unknown.
	C22	INC3663175, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1997.
	C23	INC3666305, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1997.
	C24	INC3605169, LIFESEQ™ Clone Information Results, Incyte Pharmaceuticals Inc., 1997.
	C25	LUNGNOT30, LIFESEQ™ Library Information Results, Incyte Pharmaceuticals Inc., 1997.
	C26	PANCNOT16, LIFESEQ™ Library Information Results, Incyte Pharmaceuticals Inc., 1997.
	C27	Miller, P. et al., <u>Peptides</u> 16: 11-18, 1995.
	C28	Peeters, T. et al., <u>Peptides</u> 13: 1103-1107, 1992.
	C29	Macielag, M. et al., <u>Peptides: Chemistry, Structure and Biology</u> : 659-660, 1996.
	C30	Rhee, G. et al., <u>J. Biol. Chem.</u> 272: 15045-15048, 1997.
	C31	Bowie, J. et al., <u>Science</u> 247: 1306-1310, 1990.

Examiner

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<div style="text-align: center;">  </div> FORM PTO 1449 (REV 2-32)		File No. 00-30 Serial No. 09/853,253					
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Applicant(s): Stephen R. Jaspers, Paul O. Sheppard, Theresa A. Deisher, Paul D. Bishop					
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)							
	C32		George, D. et al., "Macromolecular Sequencing and Synthesis, Selected Methods and Applications,"				
			Alan R. Liss, Inc , New York, Schlessinger D. (Ed), pp. 127-149, 1988.				
	C33		Barton, G., "Protein Structure Prediction: A Practical Approach," IRL Press at Oxford Univ., Sternberg K.				
			(Ed); pp. 31-63, 1997.				
	C34		Harlow, E. et al., "Antibodies: A Laboratory Manual" Cold Spring Harbor, NY, Publisher: Cold Spring Harbor Laboratory, 1988.				
	C35		Benjamini, E. et al., "Immunology: A Short Course" 2 nd ed. Publisher: Wiley-Liss, N.Y., p 40, 1991.				
	C36		Alberts, B. et al., "Molecular Biology of the Cell", 3 rd ed. Publisher: Garland Publishing, Inc. N.Y. p. 119, 1994.				
	C37		Daniel, C. et al., <u>Virology</u> 202: 540-549, 1994.				
	C38		Nataro, J. et al., <u>Infection and Immunity</u> 61: 1126-1131.				
	C39		Sambrook, J. et al., "Molecular Cloning: A Laboratory Manual" 2 nd ed. Publisher Cold Spring Harbor Laboratory Press, pp. 18.2-18.10, 1989				
	C40		Ngo, J, et al., "The Protein Folding Problem and Tertiary Structure Prediction", Merz and Le Grand (Eds) Springer Verlag, 433, 492-495, (1994)				
	C41		Kai, Y, et al., <u>Chem. Pharm. Bull. (Toyoko)</u> 10: 2346-2352, 1975.				
	C42		Sakai, T. et al., <u>Regul. Pept</u> 53: 249-257, 1994.				
	C43		Bormans, V. et al., <u>Regul. Pept</u> 15: 143-153, 1986.				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)								
	C44		Hasler, W. et al., <u>Am. J. Physiol.</u> 262 (1 Pt1)G 50-55, 1992.					
	C45		Depoortere, I. et al., <u>Peptides</u> 12: 89-94, 1991.					
	C46		Koutsoviti-Papadopoulou, M. et al., <u>Gen. Pharmac.</u> 25(1): 93-96, 1994.					
	C47		Rehfeld, J. et al., <u>J. Biol. Chem.</u> 261: 5832-5840, 1986.					
	C48		Rehfeld, J. et al., <u>Eur. J. Biochem.</u> 223: 765-773, 1994.					
	C49		Franks, F. "Protein Biotechnology: Isolation, Characterization, and Stabilization," Publisher: Humana Press, New Jersey, 1993.					
	C50		Beacham, J. et al., "Peptides" Publisher: North-Holland Publishing Company, Amsterdam, pp 235-241, 1967.					
	C51		Christ, A. et al., <u>Gastroenterology</u> 94: 311-316, 1988.					
	C52		Cunningham, B. et al., <u>Science</u> 244: 1081-1085, 1989.					
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